

Express Mail No. ER 953587622 US

Docket No. 21408 US C038435/0185946

DT01 Rec'd PCT/PTC 22 MAR 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE ACTING AS
DESIGNATED/ELECTED OFFICE (DO/EO/US) UNDER THE PATENT
COOPERATION TREATY CONCERNING A FILING UNDER 35 U.S.C. §371

In re Application of:)
Michihiko KATAOKA and Sakayu SHIMIZU)
Based on Int'l Application No.: PCT/EP2003/010473) Examiner: Not yet assigned
International Filing Date: 19 September 2003) Art Unit: Not yet assigned
Filed: Herewith)
For: **ENONE REDUCTASE GENE AND**)
MICROBIAL PRODUCTION OF LEVODIONE)

New York, NY
March 22, 2005

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants wish to make of record the following documents (clean copies and a Form PTO-1449 listing the documents are enclosed). The following documents were cited in the International Search Report, mailed March 23, 2004 in the International application corresponding to the above-captioned case.

U.S. PATENT DOCUMENTS

	<u>Document No.</u>	<u>Date</u>
A1	6,428,991	8/6/2002
A2	4,072,715	2/7/1978

FOREIGN PATENT DOCUMENTS

	<u>Document No.</u>	<u>Date</u>	<u>Country</u>
B1	WO 03/070924	8/28/2003	PCT
B2	WO 03/070959	8/28/2003	PCT
B3	EP 1 236 796	9/4/2002	Europe

OTHER DOCUMENTS

- C1 Wanner and Tressl, "Purification and Characterization of Two Enone Reductases From *Saccharomyces cerevisiae*," Eur. J. Biochem., vol. 255, pp. 271-278 (1998).
- C2 Kataoka, M. et al., "Old Yellow Enzyme from *Candida macedoniensis* Catalyzes the Stereospecific Reduction of the C=C Bond of Ketoisophorone," Biosci. Biotechnol. Biochem., 66(12), pp. 2651-2657 (2002).
- C3 Miranda, M. et al., "Nucleotide Sequence and Chromosomal Localization of the Gene Encoding the Old Yellow Enzyme from *Kluyveromyces lactis*," Yeast, vol. 11, pp. 459-465 (1995).
- C4 Stott, K. et al., "Old Yellow Enzyme: The Discovery of Multiple Isozymes and a Family of Related Proteins," J. Biol. Chem., vol. 268, no. 9, pp. 6097-6106 (1993).

The Examiner's independent consideration of all of these documents and their relevance before issuance of the first official action is respectfully requested. The Examiner is also requested to initial and return a copy of the accompanying form PTO-1449 to evidence such consideration.

Copies of the International Search Report and International Preliminary

Examination Report are included herewith. All documents cited in these reports are identified herein and copies of all documents other than U.S. Patent Documents are provided. See MPEP § 609(III)(A)(2)(A) (8th Ed., Rev. 2, May 2004, p. 600-128); See also 1276 OG 55 (August 5, 2003) (Waiving the requirement under Rule 98(a)(2)(1) to provide a copy of each cited U.S. patent document for any application filed after June 30, 2003.).

This Information Disclosure Statement is being filed in accordance with the provisions under 37 C.F.R. §1.97(b)(2), within three months of the date of entry of the national stage of the international application. Accordingly, no fee is believed to be due. If, however, a fee is due, please charge the same to Deposit Account No. 02-4467. A duplicate copy of this sheet is enclosed.

If the Examiner has any questions regarding this paper, please contact the undersigned attorney.

Respectfully submitted,

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Form PTO-1449 (Rev.)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 21408 US C038435/01859	INTERNATIONAL APPLICATION NO. 10/52896 PCT/EP2003/010473
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Michihiko KATAOKA and Sakayu SHIMIZU	
		INTERNATIONAL FILING DATE 19 September 2003	GROUP Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner Initial	Cite No.	U.S. Patent Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
/MM/	A1	6,428,991	8/6/2002	Fukuoka <i>et al.</i>			
/MM/	A2	4,072,715	2/7/1978	Boguth <i>et al.</i>			

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							Yes	No
/MM/	B1	WO 03/070924	8/28/2003	PCT				
/MM/	B2	WO 03/070959	8/28/2003	PCT				
/MM/	B3	EP 1 236 796	9/4/2002	Europe				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/MM/	C1	Wanner and Tressl, "Purification and Characterization of Two Enone Reductases From <i>Saccharomyces cerevisiae</i> ," <i>Eur. J. Biochem.</i> , vol. 255, pp. 271-278 (1998).
	C2	Kataoka, M. <i>et al.</i> , "Old Yellow Enzyme from <i>Candida macedoniensis</i> Catalyzes the Stereospecific Reduction of the C=C Bond of Ketosoporphone," <i>Biosci. Biotechnol. Biochem.</i> , 66(12), pp. 2651-2657 (2002).
	C3	Miranda, M. <i>et al.</i> , "Nucleotide Sequence and Chromosomal Localization of the Gene Encoding the Old Yellow Enzyme from <i>Kluyveromyces fragilis</i> ," <i>Yeast</i> , vol. 11, pp. 459-465 (1995).
/MM/	C4	Stott, K. <i>et al.</i> , "Old Yellow Enzyme: The Discovery of Multiple Isozymes and a Family of Related Proteins," <i>J. Biol. Chem.</i> , vol. 268, no. 9, pp. 6097-6106 (1993).

EXAMINER	/Mohammad Meah/ (09/15/2008)	DATE CONSIDERED
Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		